



Hands-On: Running a Sample Docker Compose File

Step 1: Create a folder called “docker”

```
$ sudo nano docker
```

```
ubuntu@ip-172-31-44-168: ~/docker
```

```
ubuntu@ip-172-31-44-168:~$ mkdir docker
ubuntu@ip-172-31-44-168:~$ cd docker
ubuntu@ip-172-31-44-168:~/docker$
```

Step 2: Write the sample YAML file in “docker-compose.yml” file

```
version: '3'

services:

  sample1:
    image: httpd
    ports:
      - "5000:5000"

  sample2:
    image: nginx
```

```
ubuntu@ip-172-31-44-168: ~/docker
```

```
ubuntu@ip-172-31-44-168:~/docker$ sudo nano docker-compose.yml
ubuntu@ip-172-31-44-168:~/docker$
```

After adding the above content in the .yaml file it should look like this:

```
ubuntu@ip-172-31-44-168: ~/docker
GNU nano 2.9.3 docker-compose.yml
version: '3'
services:
  sample1:
    image: httpd
    ports:
      - "5000:5000"
  sample2:
    image: nginx
```

Step 3: To build this docker-compose file the syntax is the following:

```
$ docker-compose up -d
```

```
ubuntu@ip-172-31-44-168: ~/docker
ubuntu@ip-172-31-44-168:~/docker$ sudo docker-compose up -d
Creating network "docker_default" with the default driver
Creating docker_sample1_1_252171658efa ... done
Creating docker_sample2_1_1a5a9c47b721 ... done
ubuntu@ip-172-31-44-168:~/docker$
```

Step 4: Ensure all your containers are running

```
$ docker ps
```

```
ubuntu@ip-172-31-44-168: ~/docker
ubuntu@ip-172-31-44-168:~/docker$ sudo docker ps
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
430613a4e137	nginx	"nginx -g 'daemon of..."	47 seconds ago	Up 46 seconds	80/tcp
a9809023f6f2	docker_sample2_1_fb5e23d4ab10	"httpd-foreground"	47 seconds ago	Up 46 seconds	80/tcp
000->5000/tcp	docker_sample1_1_5f63affc506b				

```
ubuntu@ip-172-31-44-168:~/docker$
```